

Title (en)  
Adhesive tape and solar cell module using the same

Title (de)  
Klebeband und Solarzellenmodul damit

Title (fr)  
Bande adhésive et module de cellule solaire l'utilisant

Publication  
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Application  
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Abstract (en)  
The present invention provides an adhesive tape 10 for electrically connecting a plurality of solar battery cells, which adhesive tape has a metal foil 1 and an adhesive layer 2 composed of an adhesive provided on at least one surface of the metal foil 1, and a solar battery module using the adhesive tape. The adhesive tape of the present invention can suppress the decrease in the product yield and can improve the connection workability of solar battery cells.

IPC 8 full level  
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Citation (applicant)  
• JP 2004204256 A 20040722 - HITACHI CABLE  
• JP 2005050780 A 20050224 - HITACHI CABLE  
• JP 2000286436 A 20001013 - SANYO ELECTRIC CO  
• JP 2001357897 A 20011226 - FUJI XEROX CO LTD  
• JP H07147424 A 19950606 - FUJI ELECTRIC CO LTD  
• JP 2005101519 A 20050414 - HITACHI CHEMICAL CO LTD

Citation (search report)  
• [XA] US 2002139415 A1 20021003 - SHIMIZU KOICHI [JP], et al  
• [X] US 5391235 A 19950221 - INOUE YUJI [JP]  
• [A] US 6459032 B1 20021001 - LUCH DANIEL [US]  
• [X] EP 0242025 A1 19871021 - HITACHI CHEMICAL CO LTD [JP]  
• [A] US 4356505 A 19821026 - LOVINGER ANDREW J, et al

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